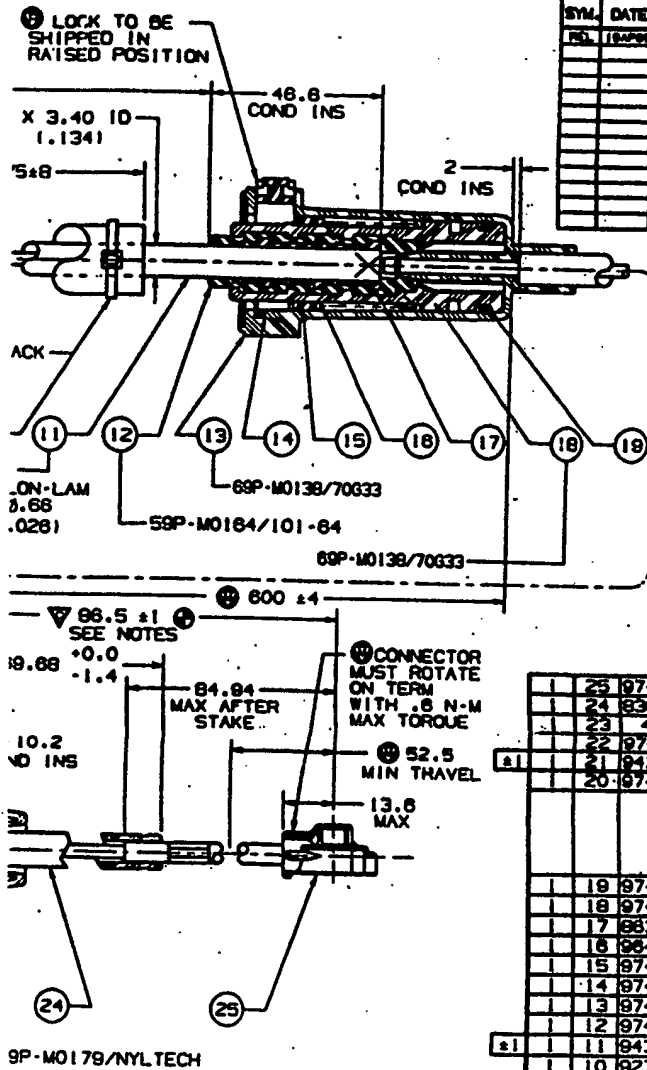
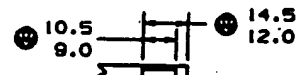


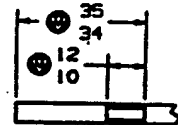
BEST AVAILABLE COPY



SYM.	DATE	REVISION RECORD	AUTH.	DR.	CK.
RD.	12/26/68	RELEASE TO PRODUCTION ROOMMATES: MEMORANDUM ON US FROM REY A 12/24/68 WORKING: 874J-8780S WAS BEIR- 872001 884J-87718 WAS 87-77201 884P-87203 WAS 18-72101 884P- 87203 WAS 884P-872031 ADDED 874A-877031 COND L8 884J WAS 884J-1 COND L8 887-8 WAS 888-81 ADDED MATL CALUL TO ITEM 121 ADDED QIME 88410 & 878191 AD-10 ORIGINATI-21 VIEW		2877	18-776



TRANS END



COLUMN END

	25	974J-S7605	TERMINAL ASSEMBLY
	24	938P-S7314	SWIVEL TUBE
	23	48-7103	GROMMET
	22	974J-S7100	GROMMET PLATE ASSEMBLY
81	21	943C-S7109	CONDUIT - 597.6 LG
	20	974J-S7605	58-7508 CABLE ASSEMBLY

974J-S7005

1	19	974J-S7803	O-RING	REL
1	18	974J-S7202	SLIDER - END FITTING	
1	17	883P-S7202	END FITTING - ADJUST	
1	16	864J-S7718	SPRING - ADJUST	
1	15	974J-S7703	COLLAR	
1	14	974J-S7305	LOCK	
1	13	974J-S7204	BOOBY	
1	12	974J-S7203	ISOLATOR - END FITTING	
±1	11	843C-S7105	CONDUIT 654.4 LG	
1	10	827N-S7700	TIE STRAP	
1	9	912F-S7109	SLEEVE	
1	8	974J-S7101	HEAT SLEEVE	
2	7	813P-S7300-A	CAP - SPACER	
2	6	954P-S7203	END FITTING - SNAP-IN	
1	5	858P-S7702	STONE SHIELD	
1	4	974J-S7304	SWIVEL TUBE	
1	3	856P-S7703	CAP - WIPER	
1	2	828P-S7704	RING - WIPER	
1	1	921R-S7601	TERMINAL ASSEMBLY	

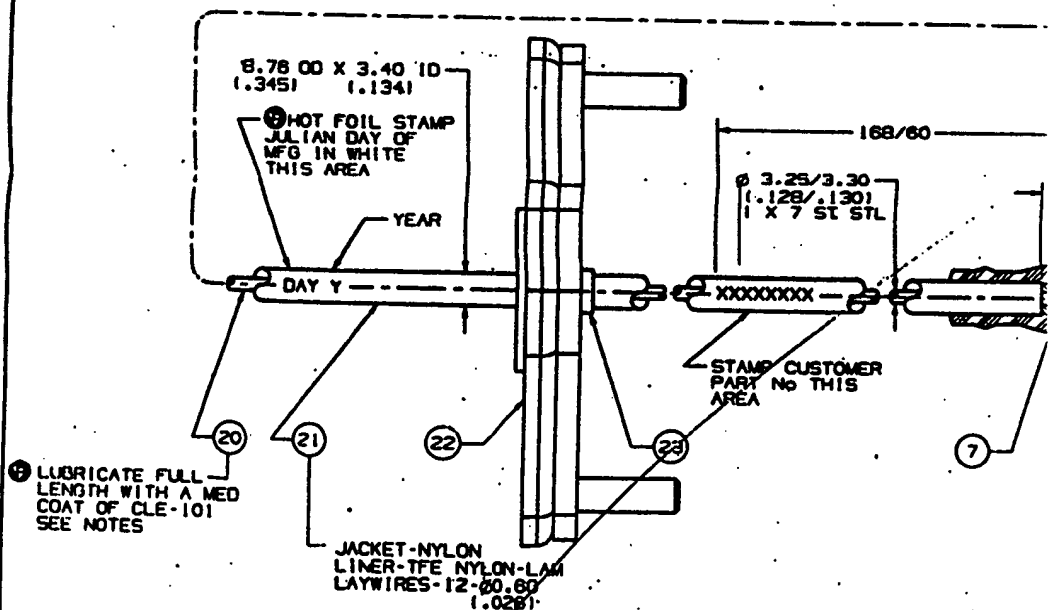
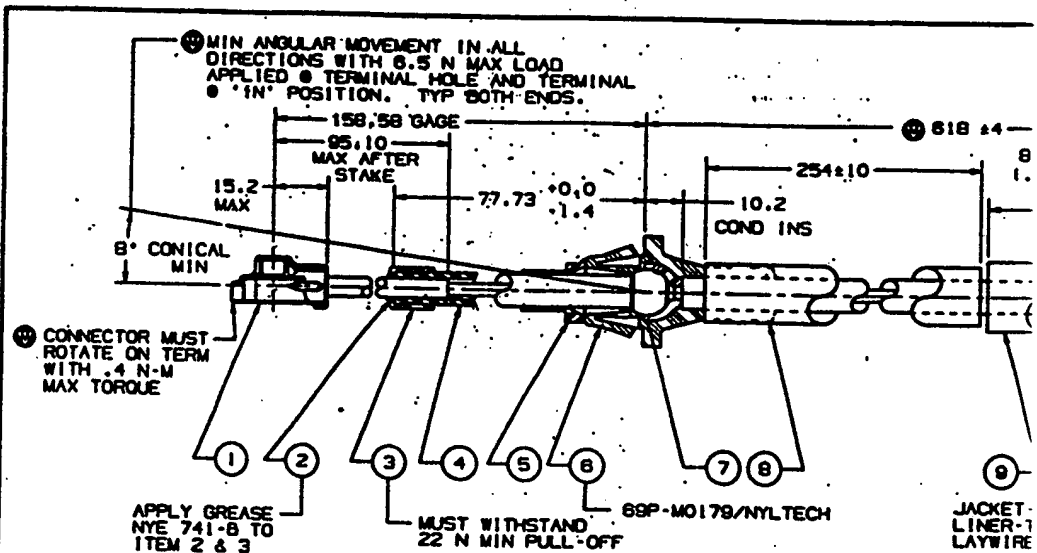
ON INTO CONDUIT ASSEMBLY
A PLATES WITH MAX 110 N
30 N FORCE
ROVED DESIGN ORIENTATION
20 FOR A 17.8 N PUSH AND
ROUGH ITS STROKE SHALL
-40° C AND 82° C WITH
QUAL SPECIFICATIONS.
Y MUST WITHSTAND
PERMISSIBLE FOR
NSTALLED POSITION
17.8 N PUSH AND PULL

T 00003
CONFIDENTIAL

UNION APPROPRIATE

METRIC DIMENSIONS ARE IN MILLIMETERS DIM. EQUIVALENTS IN INCHES		SCALE FULL SYMBOLS AND		LIST OF MATERIAL PART NO. OV 21-N94		QTY 24PTS		DATE 12/1/77	
ANY CHANGE IN PROCESS OR DIMENSION REQUIRE PRIOR DOW ENGINE APPROVAL		SEE DETAILS & NOTED		PART NO.		FINAL		DATE	
☐ DIM. INSPECTION/PROCESS REQUIRED ☐ INFORMATION & MATERIALS REQUIRED ☐ CONTROLS SPOOFABILITY REQUIRED		EX39		ASSY - TRANS CONT SHFT		DATE		QTY	
REMOVE WHEN SPECIFIC SPECIFICATIONS X OR X.XX - X.XX - ANGLES -		H L C F		Teleflex		974J-S7005		C	

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NOTES:

1. ALL DIMENSIONS NOT TOLERANCED ARE FOR REFERENCE ONLY.
2. PROCESS CONDUIT PER ESDC-7100 BOTH ENDS.
3. CONDUIT & END FITTINGS MUST WITHSTAND 448 N TENSION & COMPRESSION WITHOUT SLIPPING OR CRACKING.
4. CONDUIT & CORE MUST WITHSTAND 890 N PULL WITHOUT SLIPPING, YIELDING, OR CRACKING.
5. CABLE MUST BE CLEAN AND FREE OF DIRT AND OTHER FOREIGN MATERIAL PRIOR TO APPLICATION OF LUBE AND FORCE AND WITHSTAND 450 N MIN PULL-OUT LOAD.
6. FLOOR/COLUMN END FITTING MUST SNAP INTO 2.95/2.20 THK AND APPROPRIATELY KEYED 20.30/2.20 THK AND WITHSTAND 450 N MINIMUM PULL-OUT LOAD.
7. TRANS END FITTING MUST SNAP INTO 2.95/2.20 THK AND APPROPRIATELY KEYED 32.40/32.70 DIA PLATES WITH BACKLASH - DIMENSION & TOLERANCE MARKED @ IS TO BE QUALIFIED @ 133.98 WITH CONTROL ROUTED IN MAND BY ENGINEER, OPPOSITE END GAGED & FIXED AT 111.5. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH OPERATION EFFORTS - WHEN ROUTED IN INSTALLED POSITION, THE FREE STATE EFFORT REQUIRED TO MOVE THE NOT EXCEED 13.3 N AT 22.2° C.
8. DURABILITY - IN INSTALLED ROUTING, ASSEMBLY MUST CYCLE THROUGH MIN SPECIFIED TRAVEL FOR 50,000 CYCLES AT 10 CPM MIN WITH AN OUTPUT LOAD OF 89 N WITHOUT FAILURE OF ANY PHYSICAL PART OR EXCEEDING A TENSILE LOAD OF 890 N & A COMPRESSIVE LOAD OF 180 N. NO YIELDING, PERMANENT DEFORMATION OR CRACK EITHER MODE. NOT MORE THAN 3 DEFLECTION IS PERMISSIBLE FOR THE COMPRESSION MODE @ 22.2° C.
9. LIFECYCLE BACKLASH - DIMENSION & TOLERANCE MARKED @ IS TO BE QUALIFIED @ 133.98 WITH CONTROL ROUT AND OPPOSITE END GAGED & FIXED AT 111.5. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH LOAD AT 22.2° C AFTER 50,000 CYCLES.
10. CONTROL MUST OPERATE AND MAINTAIN DIMENSIONAL AND PERFORMANCE CRITERIA FOR A TEMP RANGE OF -40° T